



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

**JAN 23 2017**

REPLY TO THE ATTENTION OF:

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

John McManus  
Vice President, Environmental Services  
American Electric Power  
1 Riverside Plaza  
Columbus, Ohio 43215

Re: Notice of Violation and Finding of Violation  
American Electric Power, Gavin Power Plant  
Cheshire, Ohio

Dear Mr. McManus:

The U.S. Environmental Protection Agency is issuing the enclosed Notice of Violation and Finding of Violation (NOV/FOV) to American Electric Power (AEP) under Section 113(a) of the Clean Air Act (CAA), 42 U.S.C. § 7413(a). We find that AEP has violated and continues to violate the Ohio State Implementation Plan and AEP's Title V Operating Permit at the Gavin Power Plant, located in Cheshire, Ohio.

Section 113 of the Clean Air Act gives us several enforcement options. These options include issuing an administrative compliance order, issuing an administrative penalty order and bringing a judicial civil or criminal action.

We are offering you an opportunity to confer with us about the violations alleged in the NOV/FOV. The conference will give you an opportunity to present information on the specific findings of violation, any efforts you have taken to comply and the steps you will take to prevent future violations. In addition, in order to make the conference more productive, we encourage you to submit to us information responsive to the NOV/FOV prior to the conference date.

Please plan for your facility's technical and management personnel to attend the conference to discuss compliance measures and commitments. You may have an attorney represent you at this conference.

The EPA contact in this matter is Ethan Chatfield. You may call him at (312) 886-5112 to request a conference. You should make the request within 10 calendar days following receipt of this letter. We should hold any conference within 30 calendar days following receipt of this letter.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Edward Nam', with a stylized flourish at the end.

Edward Nam  
Director  
Air and Radiation Division

Enclosure

cc: Janet J. Henry, Deputy General Counsel  
American Electric Power

Robert Hodanbosi, Chief  
Division of Air Pollution Control, Ohio EPA

Melissa Witherspoon, Acting Assistant Chief  
Ohio EPA/DAPC, Southeast District Office

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**IN THE MATTER OF:**

**American Electric Power  
Gavin Power Plant  
Cheshire, Ohio**

**Proceedings Pursuant to  
Section 113(a)(1) of the  
Clean Air Act, 42 U.S.C.  
§ 7413(a)(1)**

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)  
) **NOTICE OF VIOLATION and**  
) **FINDING OF VIOLATION**  
)  
) **EPA-5-17-OH-11**  
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**NOTICE AND FINDING OF VIOLATION**

The U.S. Environmental Protection Agency (EPA) is issuing this Notice of Violation and Finding of Violation (NOV/FOV) in accordance with Sections 113(a)(1) and (a)(3) of the Clean Air Act (CAA), 42 U.S.C. §§ 7413(a)(1) and (a)(3). The authority to issue this NOV/FOV has been delegated to the Regional Administrator of the EPA, Region 5, and redelegated to the Director of the Air and Radiation Division.

EPA finds that American Electric Power (AEP) has violated and continues to violate the Ohio State Implementation Plan (SIP) and the facility's Title V Operating Permit at the Gavin Power Plant, located in Cheshire, Ohio, as follows:

**Statutory and Regulatory Background**

1. The CAA is designed to protect and enhance the quality of the nation's air so as to promote the public health and welfare and the productive capacity of its population. Section 101(b)(1) of the CAA, 42 U.S.C. § 7401(b)(1).
2. Section 108(a) of the CAA, 42 U.S.C. § 7408(a), requires the Administrator of EPA to identify and prepare air quality criteria for each air pollutant, emissions of which may endanger public health or welfare, and the presence of which results from numerous or diverse mobile or stationary sources. For each such "criteria" pollutant, Section 109 of the CAA, 42 U.S.C. § 7409, requires EPA to promulgate national ambient air quality standards (NAAQS) to protect the public health and welfare.
3. Section 110 of the CAA, 42 U.S.C. § 7410, requires each state to adopt and submit to EPA for approval a SIP that provides for the implementation, maintenance, and enforcement of the NAAQS. Section 110 also requires that each SIP contain adequate provisions prohibiting any source within the state from emitting any air pollutants in

amounts which will interfere with attainment or maintenance of the NAAQS or cause significant deterioration of air quality in any other state. *See* 40 C.F.R. Part 52.

4. Section 502(b) of the CAA, 42 U.S.C. § 7661, requires the Administrator of the EPA to promulgate regulations which establish the minimum elements of a permit program to be administered by any air pollution control agency. *See* 40 C.F.R. Part 70.
5. Sections 113(a)(1) and (a)(3) of the CAA, 42 U.S.C. §§ 7413(a)(1) and (a)(3), provide that the Administrator may issue an administrative penalty order pursuant to Section 113(d), 42 U.S.C. § 7413(d), or bring a civil action pursuant to Section 113(b), 42 U.S.C. § 7413(b), for injunctive relief and/or civil penalties whenever, on the basis of any information available to the Administrator, the Administrator finds that any person has violated or is in violation of any requirement or prohibition of, *inter alia*, an applicable implementation plan, a standard of performance and Title V of the CAA, 42 U.S.C. §§ 7661-7661f, or any rule or permit issued thereunder. *See also* 40 C.F.R. § 52.23.

#### Ohio State Implementation Plan – Opacity Regulations

6. EPA approved Ohio Administrative Code (OAC) Chapter 3745-17-07(A)(1) as part of the federally enforceable Ohio SIP effective June 27, 1994. 59 *Fed. Reg.* 27464 (May 27, 1994). EPA approved minor revisions to the rule effective December 27, 2010. 75 *Fed. Reg.* 65567 (Oct. 26, 2010).
7. OAC 3745-17-07(A)(1) of the Ohio SIP requires that “visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average. [The]... visible particulate emissions from any stack may exceed twenty per cent opacity, as a six-minute average, for not more than six consecutive minutes in any sixty minutes, but shall not exceed sixty per cent opacity, as a six-minute average, at any time.” June 27, 1994 *See* 59 *Fed. Reg.* 27464.

#### Title V Requirements

8. EPA fully approved Ohio’s Title V operating permit program effective October 1, 1995. *See* 40 C.F.R. Part 70, Appendix A; 60 *Fed. Reg.* 42045 (August 15, 1995). The Ohio regulations governing the Title V operating permit program are codified at OAC 3745-77, and are federally enforceable pursuant to Section 113(a)(3).
9. On January 30, 2002, the Ohio Environmental Protection Agency issued a Final Title V Permit to the Gavin Power Plant. The Title V Permit provides in Part III, A.I.1 for the Unit 1 Main Boiler (B003) and Unit 2 Main Boiler (B004) that, pursuant to OAC 3745-17-07(A), “visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.”

### **Factual Background**

10. AEP is incorporated in New York.
  11. AEP is a "person," as that term is defined in Section 302(e) of the CAA, 42 U.S.C. § 7602(e).
  12. The Gavin Power Plant is located at 7397 State Route 7 North, Cheshire, Ohio, which is in Gallia County.
  13. AEP operates two coal-fired boilers at the Gavin Power Plant, identified as Unit 1 (B003) and Unit 2 (B004).
  14. Units 1 and 2 are approximately 1,300 MW<sub>net</sub> electric utility steam-generating units each having a nominal capacity of 11,936 mmBtu/hr and began commercial operation in 1974 and 1975, respectively.
  15. On April 6, 2016, EPA performed visible emissions readings of the combined plume for the Unit 1 and Unit 2 stacks in accordance with EPA Method 9 and observed 6-minute average opacity in excess of the 20% limitation.
  16. On August 1, 2016, EPA performed visible emissions readings of the Unit 1 stack in accordance with EPA Method 9 and observed 6-minute average opacity in excess of the 20% limitation.
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17. On October 28, 2016, EPA performed visible emissions readings of the Unit 2 stack in accordance with EPA Method 9 and Method Alt-082 and observed 6-minute average opacity in excess of the 20% limitation.


### **Violations**

18. AEP violated and continues to violate OAC 3745-17-07(A)(1)(a) of the Ohio SIP, and the Title V Permit at the Gavin Power Plant Units 1 and 2 by exceeding 20% opacity, as a six-minute average, on an ongoing basis.
19. Pursuant to Section 113(e) of the CAA, the violations set forth in Paragraph 18 above are presumed to continue each day until AEP establishes continuous compliance except to the extent that AEP can prove by a preponderance of the evidence that there were intervening days during which no violations occurred.

**Environmental Impact of Violations**

20. Violation of the opacity limits and excess sulfuric acid mist emissions increase public exposure to unhealthy particulate matter. Particulate matter, especially fine particulate, contributes to respiratory problems, lung damage, and premature deaths.

1/18/17  
Date

  
Edward Nam  
Director  
Air and Radiation Division

**CERTIFICATE OF MAILING**

I, Kathy Jones, certify that I sent a Certified Mail, Return Receipt Requested letter to:

John McManus, Vice President  
Environmental Services  
American Electric Power  
1 Riverside Plz  
Columbus, OH 43215-2373

I also certify that I sent a copy of the Request to Provide Information Pursuant to the Clean Air Act by E-mail to:

Janet J. Henry  
Deputy General Counsel  
American Electric Power  
1 Riverside Plaza  
Columbus, OH 43215

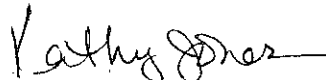
Robert Hodanbosi, Chief  
Division of Air Pollution Control  
Ohio Environmental Protection Agency  
50 West Town Street, Suite 700

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P. O. Box 1049  
Columbus, Ohio 43216-1049

Melissa Witherspoon, Acting Assistant Chief  
Ohio EPA/DAPC, Southeast District Office  
2195 Front Street  
Logan, Ohio 43138

On the 23<sup>rd</sup> day of January 2016.



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Kathy Jones  
Program Assistant  
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7009 1680 0000 7647 0001